

■ **Features**

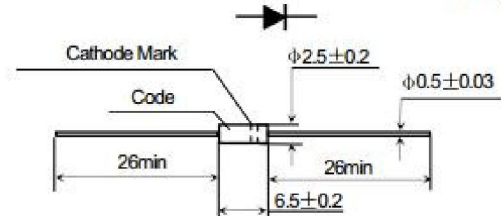
- Supersmall size
- High reliability
- High speed switching

■ **Applications**

- Rectification for high voltage power supply of color T.V.
- Rectification for high voltage power supply of CRTdisplay.
- Rectification for high voltage power supply of V.T.R camera.
- Others

■ **Outline Dimensions and Mark**

Unit: mm



Type	Code	Cathode Mark
2CL703	T703	⋮
2CL704	T704	⋮

■ **Limiting Values (Absolute Maximum Rating)**

Item	Symbol	Unit	2CL703	2CL704
Repetitive Peak Reverse Voltage	$V_{RRM}$	kV	3	4
Non-Repetitive Peak Reverse Voltage	$V_{RSM}$	kV	4	5
Average Forward Current	$I_{F(AV)}$	mA	5 (50Hz Half-sine wave, Resistance load, $T_a=25^\circ\text{C}$ )	
Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	0.5 (50Hz Half-sine wave, 1cycle, $T_a=25^\circ\text{C}$ )	
Operating Ambient Temperature	$T_a$	$^\circ\text{C}$	-40 ~ +100	
Storage Temperature	$T_{stg}$	$^\circ\text{C}$	-40 ~ +120	
Virtual Junction Temperature	$T_{(M)}$	$^\circ\text{C}$	120	

■ **Electrical Characteristics ( $T_a=25^\circ\text{C}$  Unless otherwise specified)**

Item	Symbol	Unit	Test Condition	Max	
				2CL703	2CL704
Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=10\text{mA}$	12	15
Peak Reverse Current	$I_{RRM1}$	$\mu\text{A}$	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$	
	$I_{RRM2}$			$T_a=100^\circ\text{C}$	
Reverse Recovery Time	$t_r$	$\mu\text{s}$	$I_F=2\text{mA}$ $I_{RM}=4\text{mA}$	0.08	